

Title (en)  
METHOD FOR EXTRACTING GRAPHENE OXIDE FROM A SOLUTION

Title (de)  
VERFAHREN ZUR EXTRAKTION VON GRAPHENOXID AUS EINER LÖSUNG

Title (fr)  
PROCÉDÉ D'EXTRACTION DE L'OXYDE DE GRAPHÈNE D'UNE SOLUTION

Publication  
**EP 3009397 A1 20160420 (EN)**

Application  
**EP 14189275 A 20141016**

Priority  
EP 14189275 A 20141016

Abstract (en)  
The present disclosure provides a method of extracting graphene oxide from an aqueous solution comprising graphene oxide, which method comprises contacting the aqueous solution with an organic base and an acid. Associated apparatus as also described.

IPC 8 full level  
**C01B 31/04** (2006.01)

CPC (source: EP)  
**C01B 32/23** (2017.07)

Citation (applicant)  
• JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 80, no. 6, pages 1339  
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• ZEITSCHRIFT FUR NATURFORSCHUNG B, vol. 17, 1962, pages 150 - 153

Citation (search report)  
• [X] CN 103606655 A 20140226 - UNIV TIANJIN POLYTECHNIC  
• [I] CN 104016336 A 20140903 - SUZHOU INST TRADE & COMMERCE  
• [X] WANG H ET AL: "Graphene oxide doped polyaniline for supercapacitors", ELECTROCHEMISTRY COMMUNICATIONS, ELSEVIER, AMSTERDAM, NL, vol. 11, no. 6, 1 June 2009 (2009-06-01), pages 1158 - 1161, XP026157818, ISSN: 1388-2481, [retrieved on 20090401], DOI: 10.1016/J.ELECOM.2009.03.036  
• [X] JUNKUI MA ET AL: "Reduction of graphene oxide with l-lysine to prepare reduced graphene oxide stabilized with polysaccharide polyelectrolyte", JOURNAL OF MATERIALS CHEMISTRY A, vol. 1, no. 6, 1 January 2013 (2013-01-01), pages 2192 - 2201, XP055178800, ISSN: 2050-7488, DOI: 10.1039/C2TA00340F  
• [X] AHN HEEYOUNG ET AL: "Gelation of graphene oxides induced by different types of amino acids", CARBON, ELSEVIER, OXFORD, GB, vol. 71, 27 January 2014 (2014-01-27), pages 229 - 237, XP028661640, ISSN: 0008-6223, DOI: 10.1016/J.CARBON.2014.01.033

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CN109336990A; PL422466A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3009397 A1 20160420**

DOCDB simple family (application)  
**EP 14189275 A 20141016**